TP-43

Component Video & S/PDIF Audio over Twisted Pair Transceiver

The TP−43 is a high−performance transceiver for component video and S/PDIF audio signals. It receives a CAT 5 signal from a TP−41, decodes the signal into component video and S/PDIF audio, and simultaneously relays the signal via CAT 5 to a TP−42.

FEATURES

- HDTV Compatible.
- Max. Resolution - 1080i.
- Input & Output - Twisted pair on RJ−45 connectors.
- Level (Gain) & EQ (Peaking) Controls - Audio and video local and twisted pair (line) outputs.
- System Range - Up to 400m (1300ft) when used with a TP−41 (transmitter) and TP−42 (receiver).
- Cable - UTP (unshielded twisted pair) or STP (shielded twisted pair) such as CAT 5.
- Compact Kramer TOOLS™ - 3 units can be rack mounted side−by−side in a 1U rack space with the optional RK−3T rack adapter.

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TECHNICAL SPECIFICATIONS

INPUT:	1 shielded CAT 5 on an RJ−45 connector.
OUTPUTS:	Local output: 1 component video (Y, U, V) on RCA connectors, 1 S/PDIF on an RCA connector; repeater line output: 1 shielded CAT 5 on an RJ−45 connector.
MAX. OUTPUT LEVEL:	2Vpp.
MAX. RESOLUTION:	1080i.
DIFF. GAIN:	0.15%.
DIFF. PHASE:	1.0Deg.
K-FACTOR:	0.1%.
S/N RATIO:	Video: 72dB.
CROSSTALK (all hostile):	Audio: –46dB S/PDIF into video @5MHz.
CONTROLS:	Video line out level: –1.1dB to +1.4dB; video level out: –0.9dB to +0.83dB; S/PDIF line out level: –1.6dB to +0.9dB; S/PDIF level out: –0.82dB to +0.8dB; EQ. at TP−43: 0 to +4.1dB video @33MHz; 0 to +3dB S/PDIF @33MHz (60m).
COUPLING:	Video: DC; Audio: DC.
POWER SOURCE:	12V DC, 139mA.
DIMENSIONS:	12cm x 7.15cm x 2.76cm (4.7" x 2.8" x 1.08") W, D, H.
WEIGHT:	0.3kg (0.67lbs) approx.
ACCESSORIES:	Power supply.
OPTIONS:	RK−3T 19" rack adapter.